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MEMO

TO: Steve Copps, Skylab Program Manager  
Colossus Program Manager  
Russ Larson, Luminary Program Manager  
Phil Felleman, F-8 Program Manager  
Margaret Hamilton, Flight Software Program Manager

FROM: Lance Drane

DATE: January 3, 1972

SUBJECT: Implications of AGC CCS Q Instruction Overflow

The enclosed memo, (DCG Memo # 403) describes an error recently found in the AGC Instruction Interpreter of the Apollo All Digital Simulator and the unusual circumstances necessary to trigger the error condition.

This problem has been part of the Instruction Interpreter since the Simulator was written for the IBM 360/75 in the late Fall of 1966. Any implications of loss of confidence in flight software should be investigated.